

| Ref # | Hits | Search Query                                                                                       | DBs                                                               | Default Operator | Plurals | Time Stamp       |
|-------|------|----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|------------------|---------|------------------|
| L1    | 12   | ((("6813431") or ("20040063298") or ("6673640") or ("6653209") or ("6613638") or ("6284629"))).PN. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/10/15 20:48 |

| Ref # | Hits    | Search Query                                                                      | DBs                                                               | Default Operator | Plurals | Time Stamp       |
|-------|---------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------|------------------|---------|------------------|
| S1    | 1200    | cmos and waveguide                                                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/08/29 13:33 |
| S2    | 0       | cmos and waveguide and "385".<br>cls.                                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2004/11/09 20:32 |
| S3    | 244     | cmos and waveguide and "385".<br>clas.                                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2004/11/09 20:32 |
| S4    | 6       | ("4675717"   "4779946"  <br>"5703973"   "5909523"   "5972232"<br>  "6058234").PN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR               | OFF     | 2004/11/09 21:00 |
| S5    | 7       | ("6169833").URPN.                                                                 | USPAT                                                             | OR               | OFF     | 2004/11/09 21:01 |
| S6    | 1555881 | semiconductor                                                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/08/29 14:43 |
| S7    | 1577139 | semiconductor                                                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/08/29 14:12 |
| S8    | 4430050 | manufactur\$3 fabricat\$3                                                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/08/29 14:16 |
| S9    | 5283166 | prior before                                                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/08/29 14:17 |

|     |         |                             |                                                                   |    |     |                  |
|-----|---------|-----------------------------|-------------------------------------------------------------------|----|-----|------------------|
| S10 | 1982396 | optic\$2                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/29 14:17 |
| S11 | 332     | S7 with S8 with S9 with S10 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/29 14:40 |
| S12 | 3977    | (385/14).CCLS.              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/29 14:43 |
| S13 | 123661  | S6 and @PD>"20041109"       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/29 14:43 |
| S14 | 370     | S12 and @PD>"20041109"      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/29 15:25 |

|     |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                   |    |     |                  |
|-----|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|----|-----|------------------|
| S15 | 161 | (("20020146865") or<br>("20040012041") or ("4966430") or<br>("5098861") or ("5195161") or<br>("5485021") or ("6449441") or<br>("6645829") or ("6677655") or<br>("6680495") or ("20040012401") or<br>("20040114853") or ("3217856") or<br>("4006432") or ("4100562") or<br>("4368481") or ("4438447") or<br>("4720468") or ("4734910") or<br>("4759023") or ("4959540") or<br>("4980568") or ("5190883") or<br>("5291010") or ("5193131") or<br>("5298787") or ("5345557") or<br>("5357122") or ("5382810") or<br>("5463229") or ("5523557") or<br>("5536974") or ("5548433") or<br>("5569934") or ("5604361") or<br>("5633527") or ("5663592") or<br>("5728605") or ("5767508") or<br>("5801872") or ("5812708") or<br>("5825051") or ("5828679") or<br>("5854804") or ("5889903") or<br>("5945720") or ("5946438") or<br>("5970081") or ("6011296") or<br>("6031243") or ("6043515") or<br>("6066860") or ("6093939") or<br>("6125217") or ("6202165") or<br>("6232142") or ("6288410") or<br>("6310372") or ("6318901") or<br>("6320204") or ("6343171") or<br>("6346717") or ("6392342") or<br>("6393183") or ("6403395") or<br>("6407438") or ("6528799") or<br>("20020174826") or<br>("20020174827") or<br>("20030015720") or<br>("20030025118") or<br>("20030052082") or<br>("20030052088") or<br>("20030072548") or<br>("20030110808") or<br>("20030113085") or<br>("20030114006")).PN. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/29 15:33 |
|-----|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|----|-----|------------------|

|     |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                    |    |     |                  |
|-----|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----|-----|------------------|
| S16 | 77 | ((("20020146865") or ("20040012041") or ("4966430") or ("5098861") or ("5195161") or ("5485021") or ("6449441") or ("6645829") or ("6677655") or ("6680495") or ("20040012401") or ("20040114853") or ("3217856") or ("4006432") or ("4100562") or ("4368481") or ("4438447") or ("4720468") or ("4734910") or ("4759023") or ("4959540") or ("4980568") or ("5190883") or ("5291010") or ("5193131") or ("5298787") or ("5345557") or ("5357122") or ("5382810") or ("5463229") or ("5523557") or ("5536974") or ("5548433") or ("5569934") or ("5604361") or ("5633527") or ("5663592") or ("5728605") or ("5767508") or ("5801872") or ("5812708") or ("5825051") or ("5828679") or ("5854804") or ("5889903") or ("5945720") or ("5946438") or ("5970081") or ("6011296") or ("6031243") or ("6043515") or ("6066860") or ("6093939") or ("6125217") or ("6202165") or ("6232142") or ("6288410") or ("6310372") or ("6318901") or ("6320204") or ("6343171") or ("6346717") or ("6392342") or ("6393183") or ("6403395") or ("6407438") or ("6528799") or ("20020174826") or ("20020174827") or ("20030015720") or ("20030025118") or ("20030052082") or ("20030052088") or ("20030072548") or ("20030110808") or ("20030113085") or ("20030114006"))).PN. | US-PGPUB;<br>USPAT | OR | OFF | 2005/08/29 16:14 |
| S17 | 1  | ("5987196").PN.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | US-PGPUB;<br>USPAT | OR | OFF | 2005/08/29 16:14 |